

Praveen Dwivedi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analytical Modeling of MgZnO/ZnO MOSHEMT Based Biosensor for Biomolecule Detection. Superlattices and Microstructures, 2022, 163, 107130.	3.1	7
2	A New Simulation Approach of Transient Response to Enhance the Selectivity and Sensitivity in Tunneling Field Effect Transistor-Based Biosensor. IEEE Sensors Journal, 2021, 21, 3201-3209.	4.7	34
3	Crossing the Nernst Limit (59 mV/pH) of Sensitivity Through Tunneling Transistor-Based Biosensor. IEEE Sensors Journal, 2021, 21, 3233-3240.	4.7	31
4	Numerical Simulation: Design of High-Efficiency Planar p-n Homojunction Perovskite Solar Cells. IEEE Transactions on Electron Devices, 2021, 68, 2360-2364.	3.0	31
5	Investigation the impact of the gate work-function and biases on the sensing metrics of TFET based biosensors. Engineering Research Express, 2020, 2, 025043.	1.6	15
6	Dielectric Modulated Biosensor Architecture: Tunneling or Accumulation Based Transistor?. IEEE Sensors Journal, 2018, 18, 3228-3235.	4.7	64
7	Overcoming Biomolecule Location-Dependent Sensitivity Degradation Through Point and Line Tunneling in Dielectric Modulated Biosensors. IEEE Sensors Journal, 2018, 18, 9604-9611.	4.7	35
8	Applicability of Transconductance-to-Current Ratio (g_m/I_{ds}) as a Sensing Metric for Tunnel FET Biosensors. IEEE Sensors Journal, 2017, 17, 1030-1036.	4.7	54